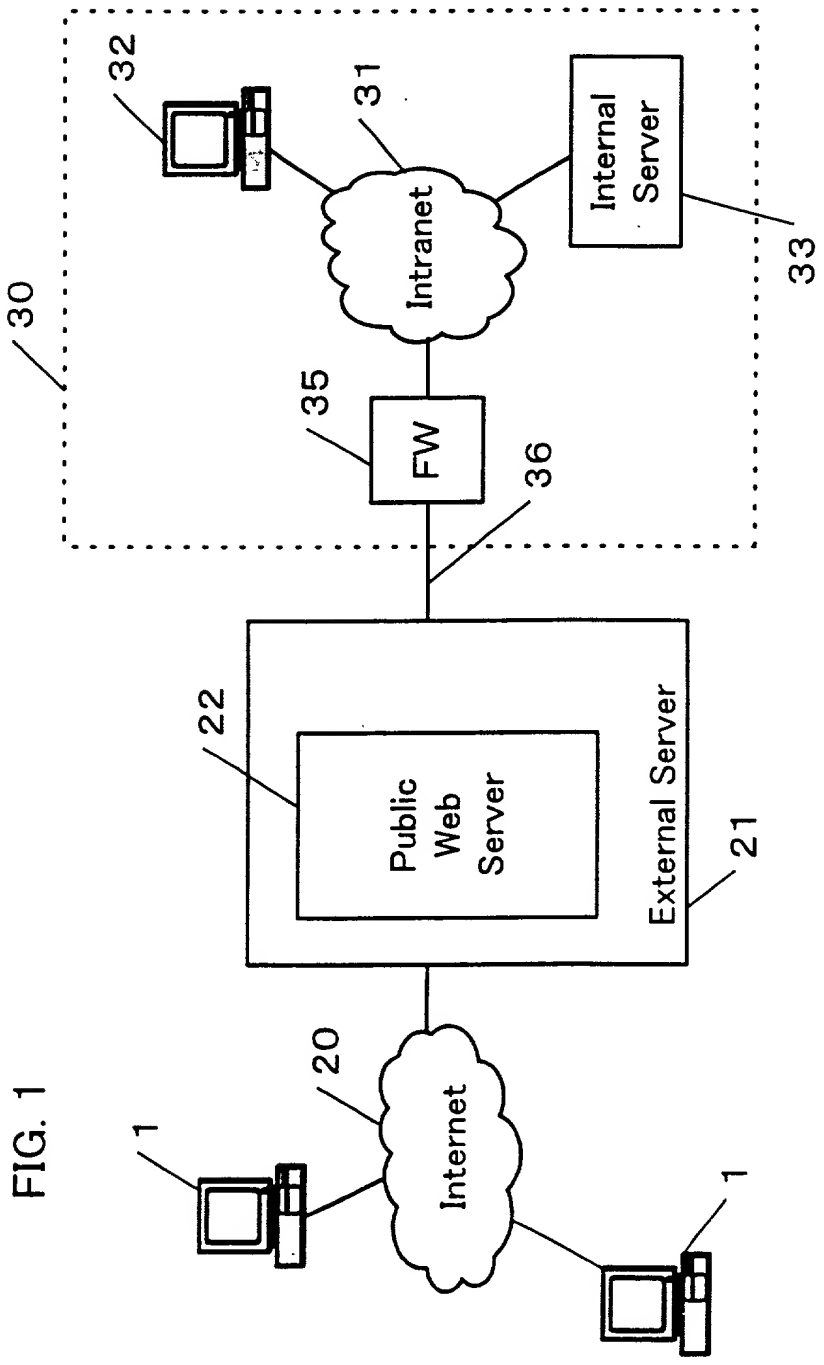
30
32
31
Intranet
Internal Server
33
35
FW
36
22
Public Web Server
External Server
21
20
Internet
1
1

FIG. 1

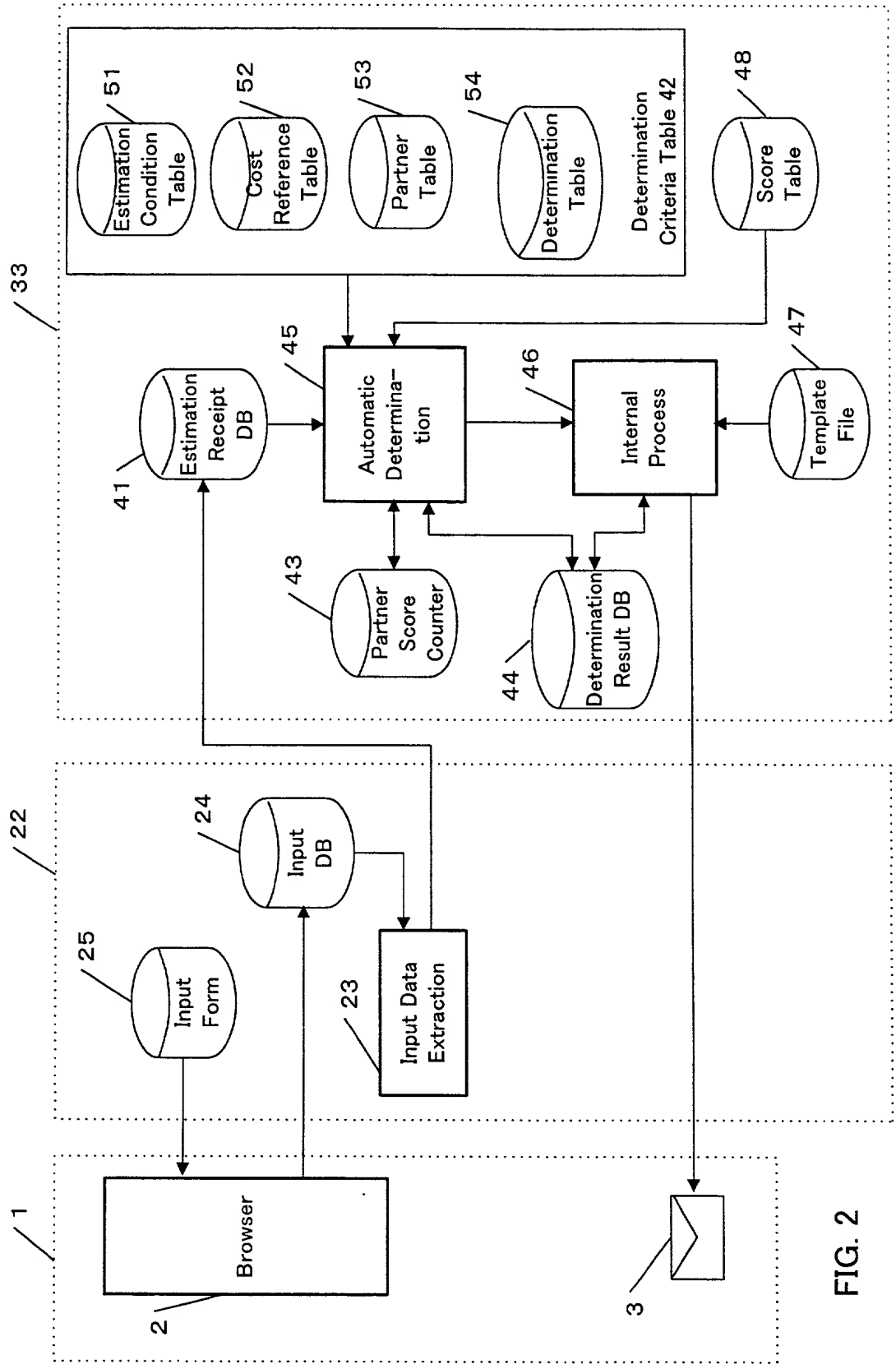
1
2
Browser
3
22
24
Input DB
25
Input Form
23
Input Data Extraction
33
41
Estimation Receipt DB
45
Automatic Determination
46
Internal Process
47
Template File
43
Partner Score Counter
44
Determination Result DB
Determination Criteria Table 42
51
Estimation Condition Table
52
Cost Reference Table
53
Partner Table
54
Determination Table
48
Score Table

FIG. 2

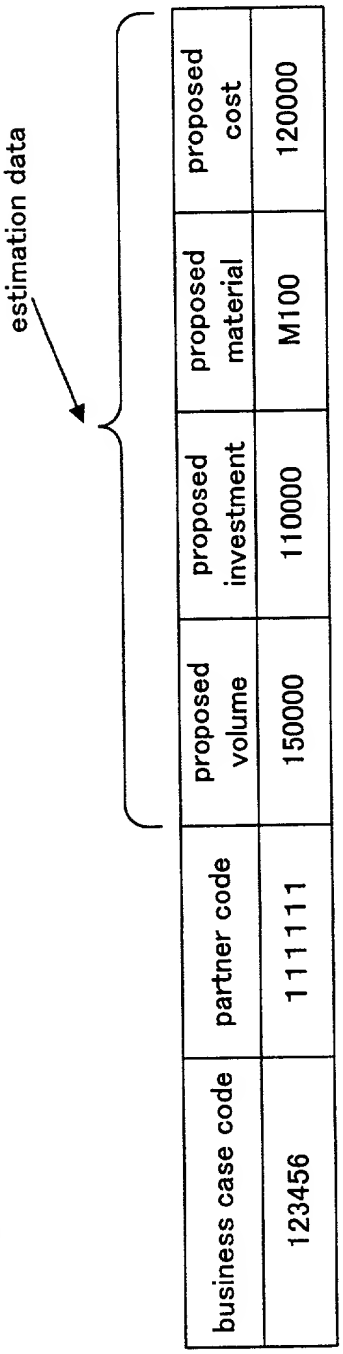
estimation data
business case code
partner code
proposed volume
proposed investment
proposed material
proposed cost
123456
111111
150000
110000
M100
120000

FIG. 3

T06T90" 0hE98860

FIG. 4A

| business case code | target volume | target investment | target material |
|---|---|---|---|
| 123456 | 100000 | 120000 | M100 |

FIG. 4B

| business case code | current cost | target cost |
|---|---|---|
| 123456 | 150000 | 130000 |

FIG. 4C

| partner code | existing/new | business record | ranking |
|---|---|---|---|
| 111111 | 1 | 1 | 3 |

FIG. 4D

| business case code | target score |
|---|---|
| 123456 | 30 |

| target volume > proposed volume | target volume ≦ proposed volume | proposed material does not match target material | proposed material matches target material, or, no target material specified |
|---|---|---|---|
| 0 | 5 | 0 | 5 |

| target investment > proposed investment | target investment ≦ proposed investment | target cost > proposed cost | target cost ≦ proposed cost |
|---|---|---|---|
| 10 | 0 | 10 | 0 |

| existing partner | new partner | the partner has a business record | the partner has no business record |
|---|---|---|---|
| 5 | 3 | 5 | 3 |

| ranked between first and third place | ranked between fourth and ninth place | ranked lower than ninth place |
|---|---|---|
| 10 | 5 | 3 |

FIG. 5

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Atty. Docket No.: 20911-06141
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FIG. 6A

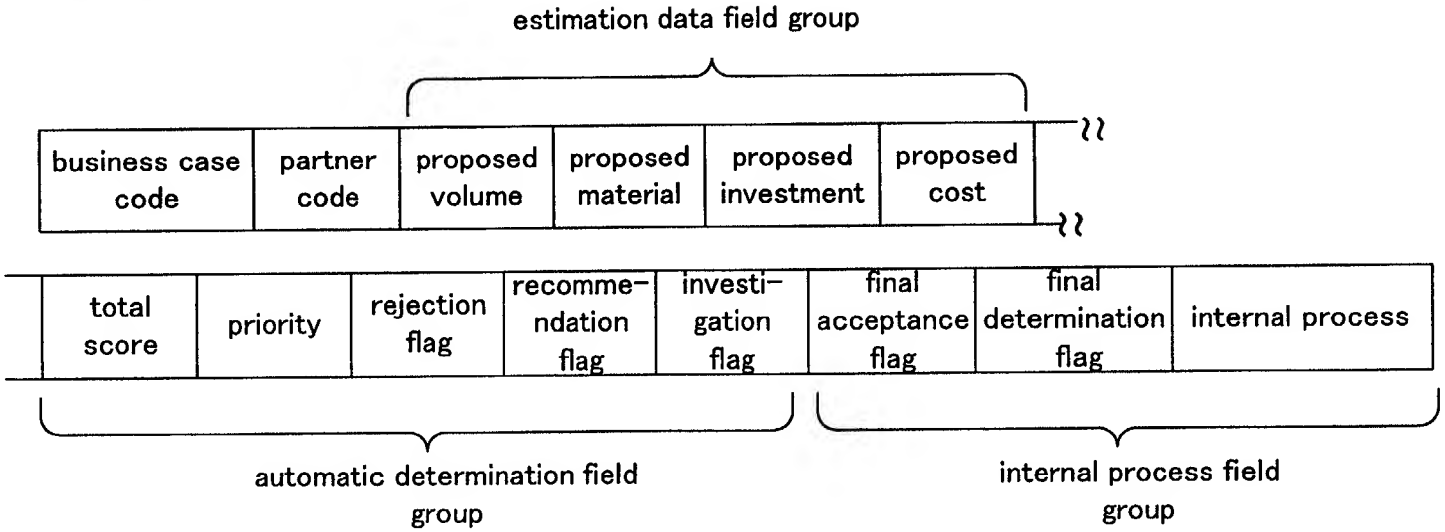

FIG. 6B

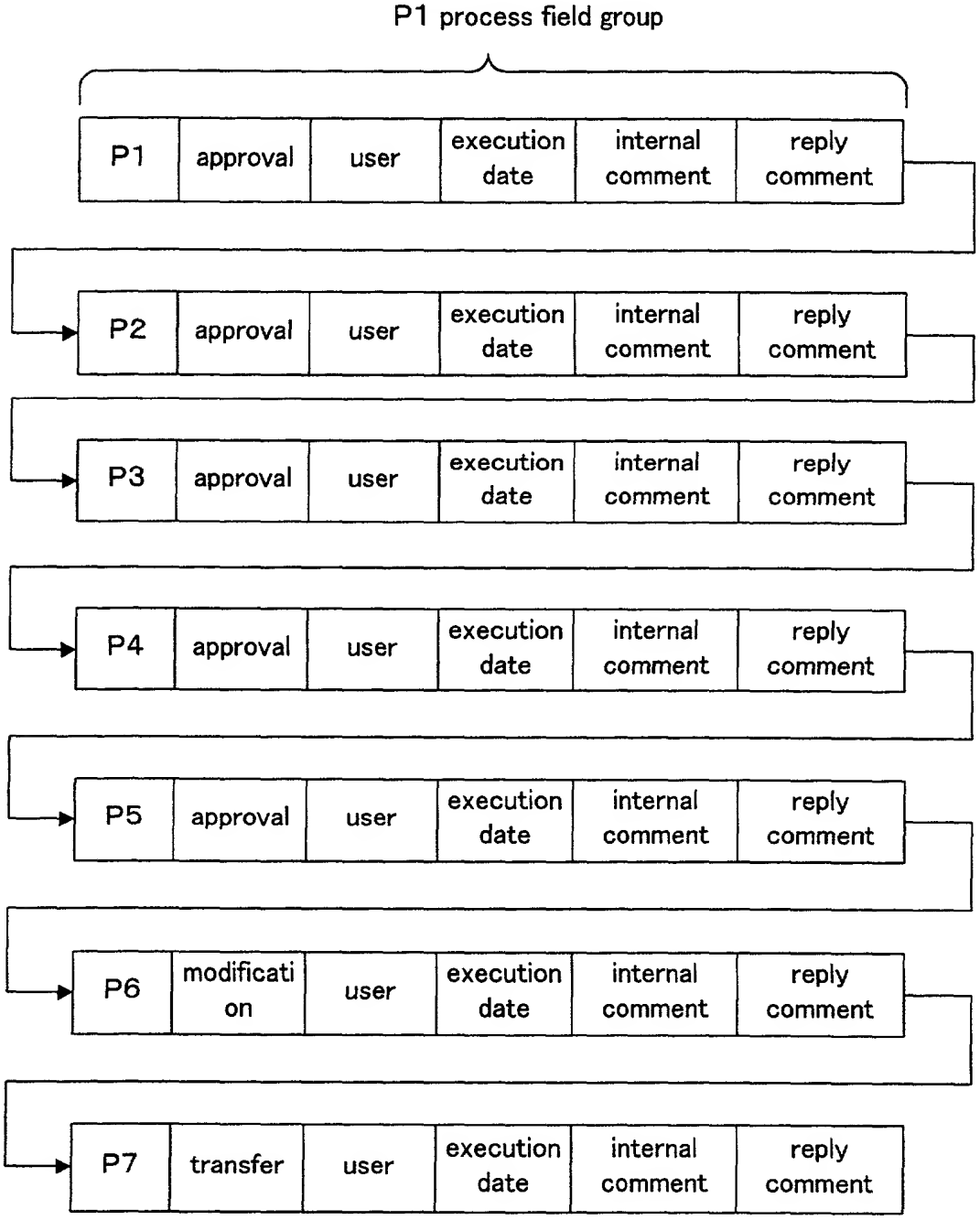


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FIG. 7

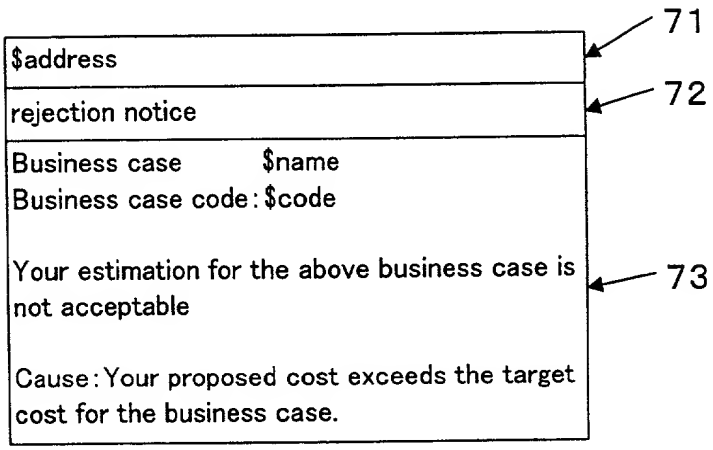



FIG. 8

Cost Estimation $name (code: $code) #/##

| | |
|---|---|
| Partner name | $tname |
| Partner address | $taddress |
| Partner code | $tcode |
| Total score | $tcnt Priority $trank |

| | |
|---|---|
| Proposed volume | $qty |
| Proposed investment | $cost1 |
| Proposed cost | $cost2 |
| Material | $material |
| Processing | $process |
| Assembly | $assembly |
| Management cost | $mngcost |
| Packing and Transport | $trans |
| Attached file | $attach |

FIG. 9

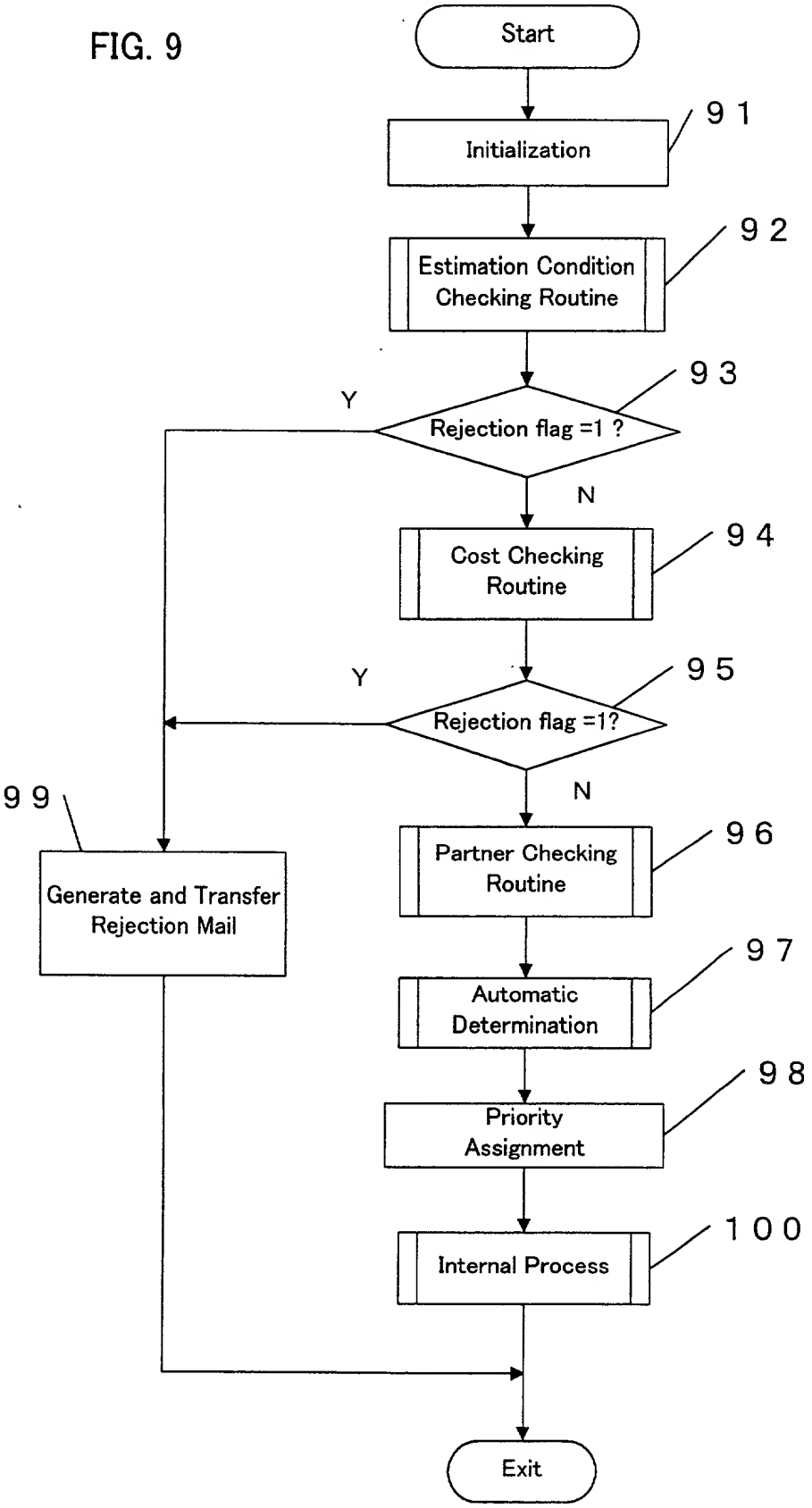

Start
Initialization
91
Estimation Condition Checking Routine
92
Rejection flag =1 ?
93
Y
N
Cost Checking Routine
94
Rejection flag =1?
95
Y
N
99
Generate and Transfer Rejection Mail
Partner Checking Routine
96
Automatic Determination
97
Priority Assignment
98
Internal Process
100
Exit

FIG. 10

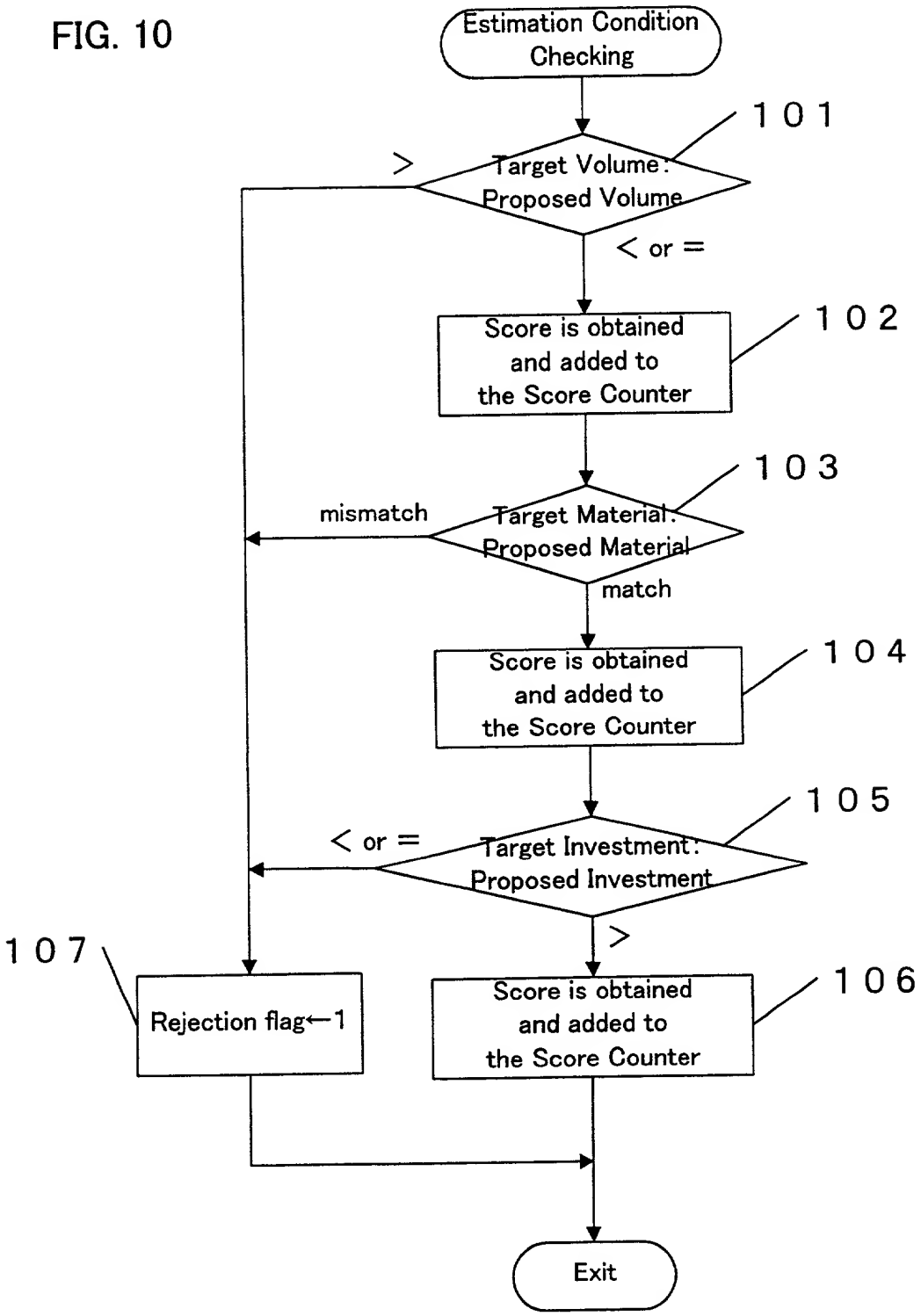

Estimation Condition Checking
101
Target Volume: Proposed Volume
>
< or =
Score is obtained and added to the Score Counter
102
103
Target Material: Proposed Material
mismatch
match
Score is obtained and added to the Score Counter
104
105
Target Investment: Proposed Investment
< or =
>
107
Rejection flag←1
Score is obtained and added to the Score Counter
106
Exit

FIG. 11

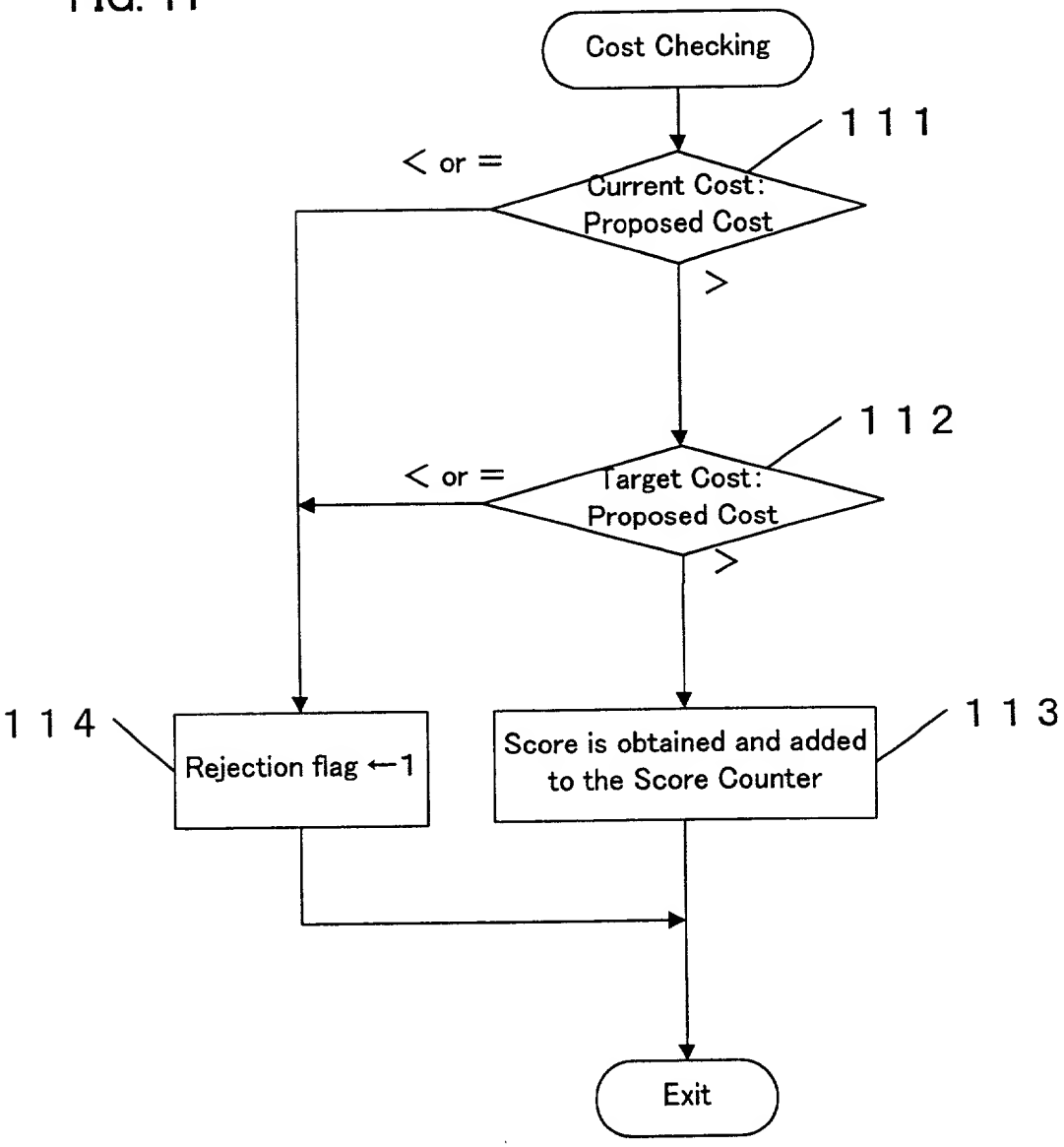

Cost Checking
111
< or =
Current Cost: Proposed Cost
>
112
< or =
Target Cost: Proposed Cost
>
114
Rejection flag ←1
Score is obtained and added to the Score Counter
113
Exit

FIG. 12

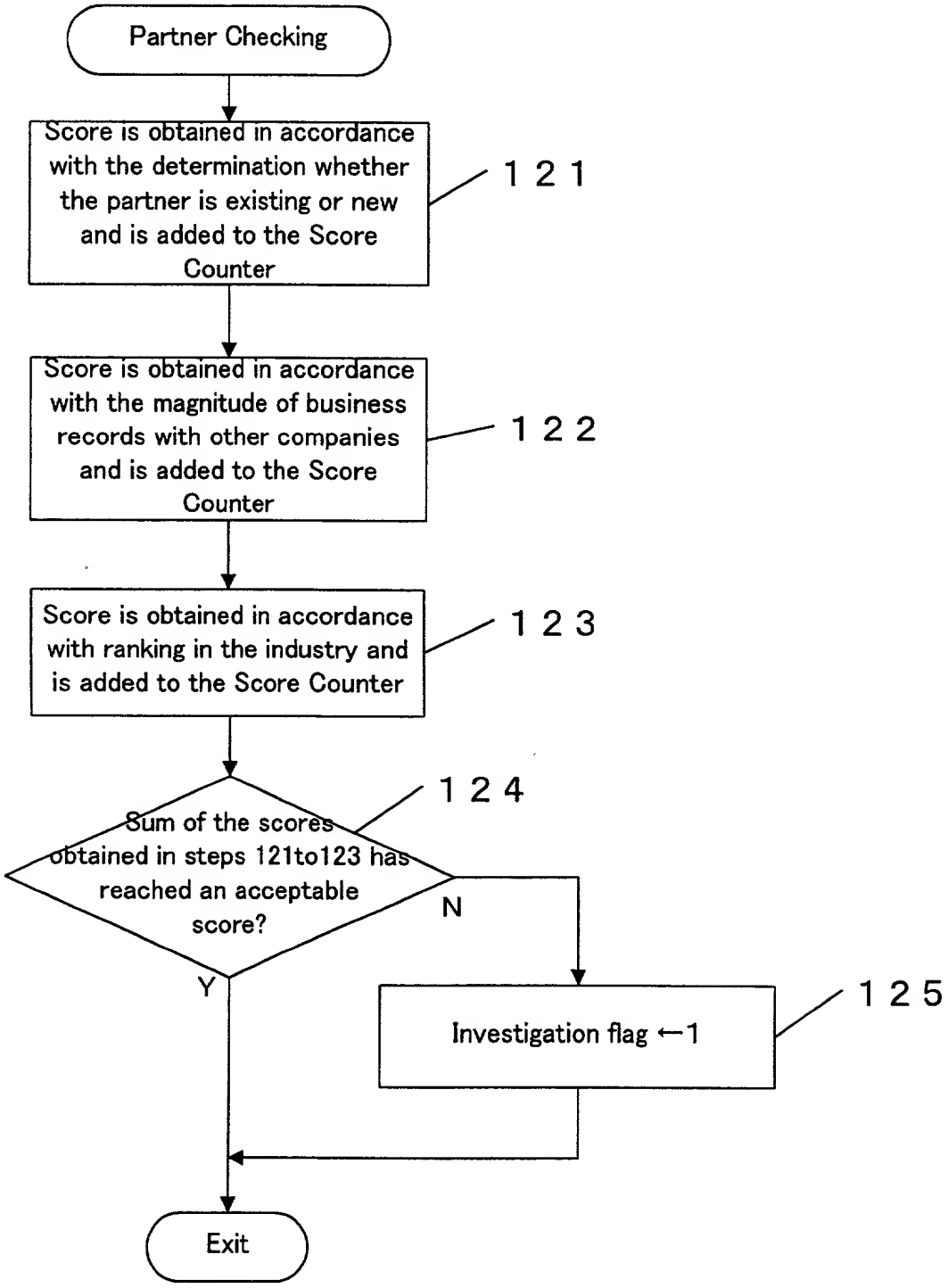
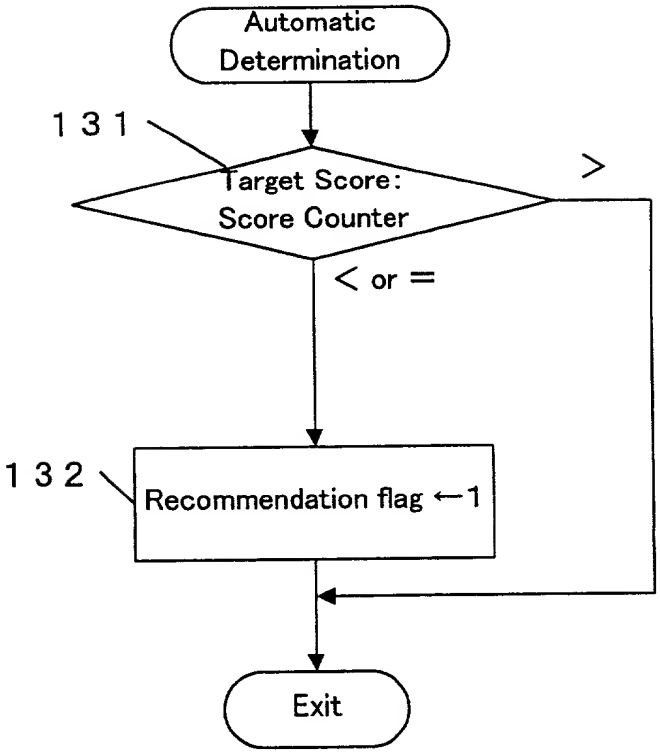

Partner Checking
Score is obtained in accordance with the determination whether the partner is existing or new and is added to the Score Counter
121
Score is obtained in accordance with the magnitude of business records with other companies and is added to the Score Counter
122
Score is obtained in accordance with ranking in the industry and is added to the Score Counter
123
Sum of the scores obtained in steps 121to123 has reached an acceptable score?
124
N
Y
Investigation flag ←1
125
Exit

FIG. 13




Doc Code: Draft

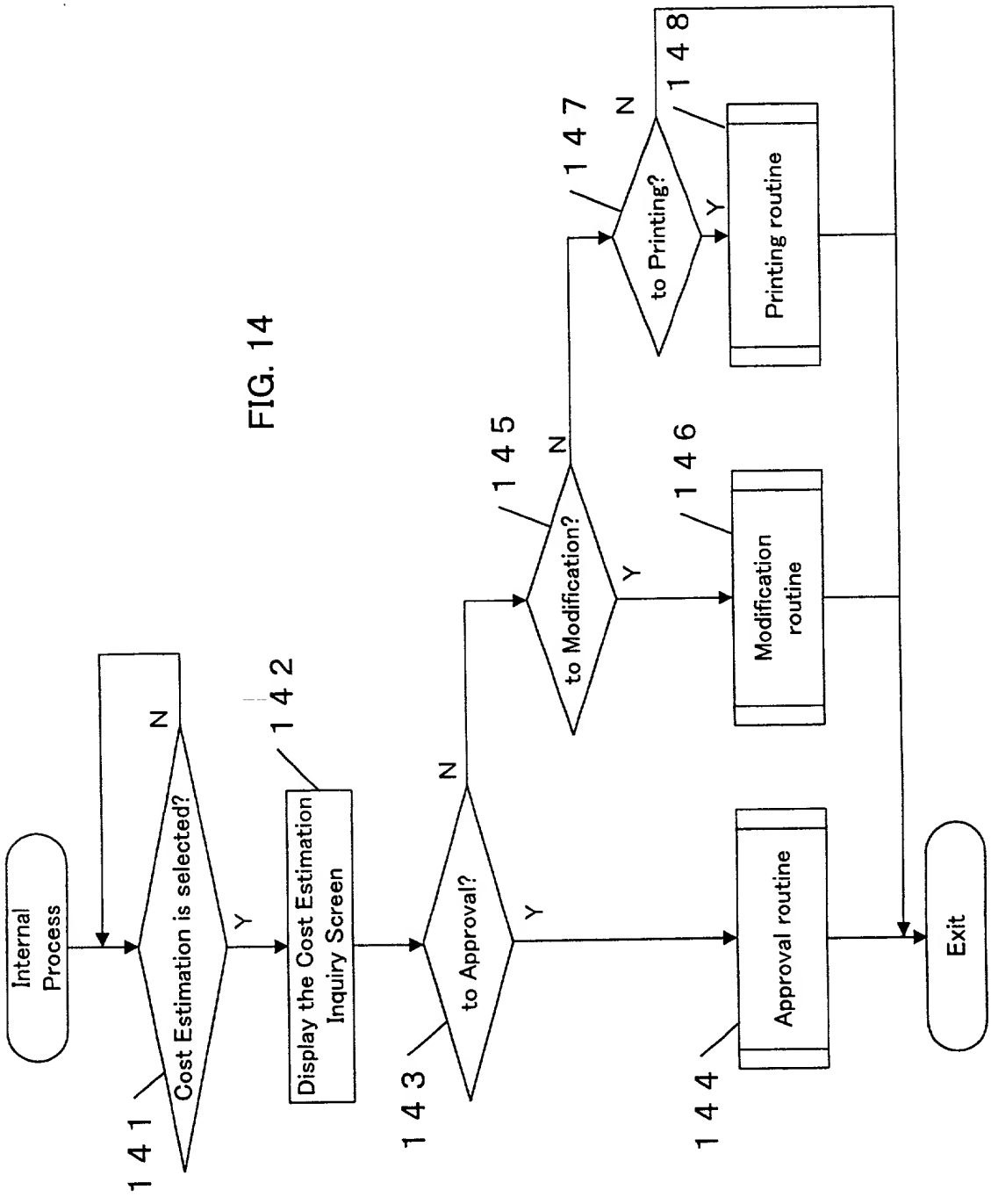

Internal Process
Cost Estimation is selected?
141
N
Y
Display the Cost Estimation Inquiry Screen
142
to Approval?
143
N
Y
Approval routine
144
to Modification?
145
N
Y
Modification routine
146
to Printing?
147
N
Y
Printing routine
148
Exit

FIG. 14

FIG. 15

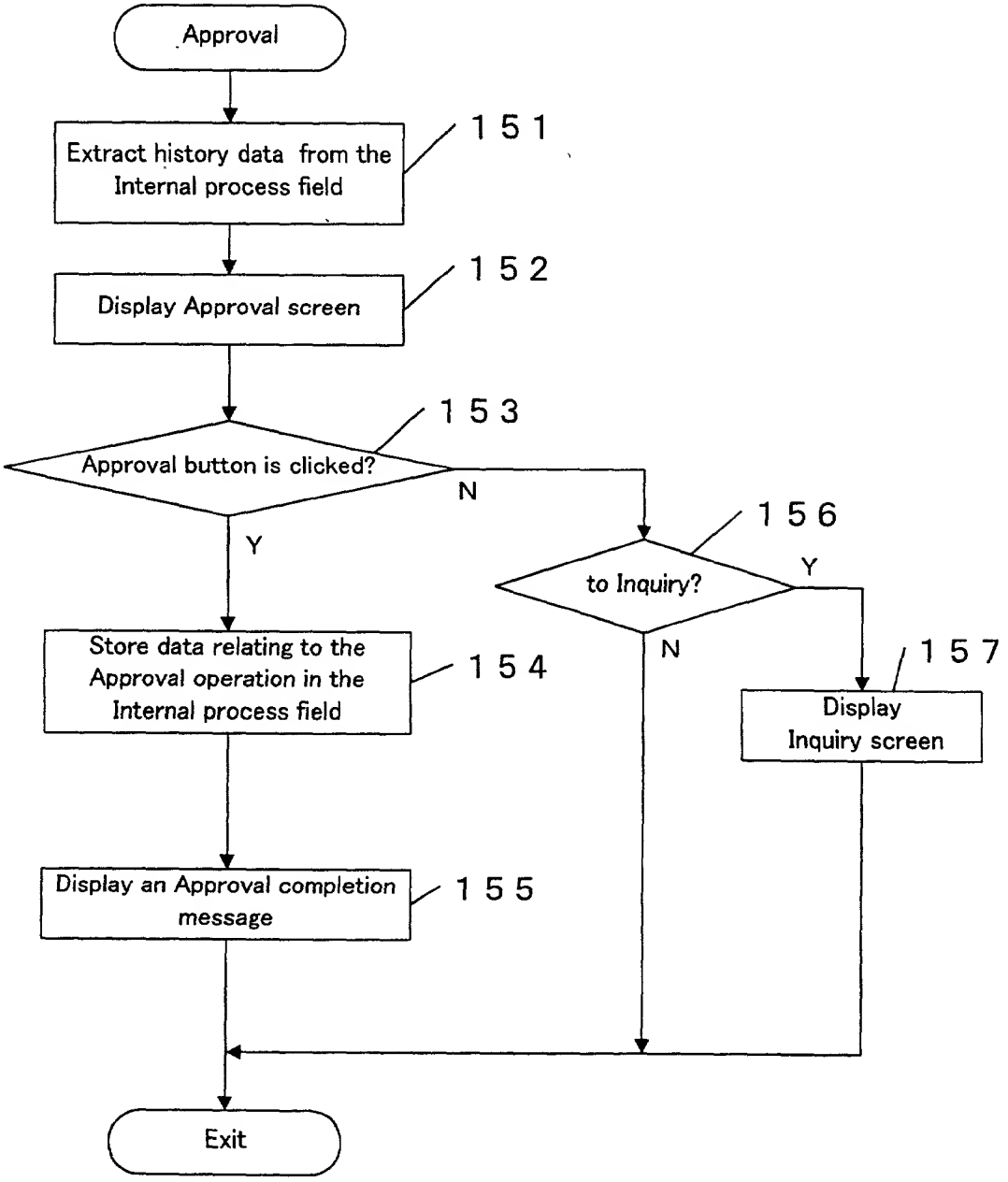

Approval
Extract history data from the Internal process field
151
Display Approval screen
152
Approval button is clicked?
153
N
Y
to Inquiry?
156
Y
N
Store data relating to the Approval operation in the Internal process field
154
Display Inquiry screen
157
Display an Approval completion message
155
Exit

FIG. 16

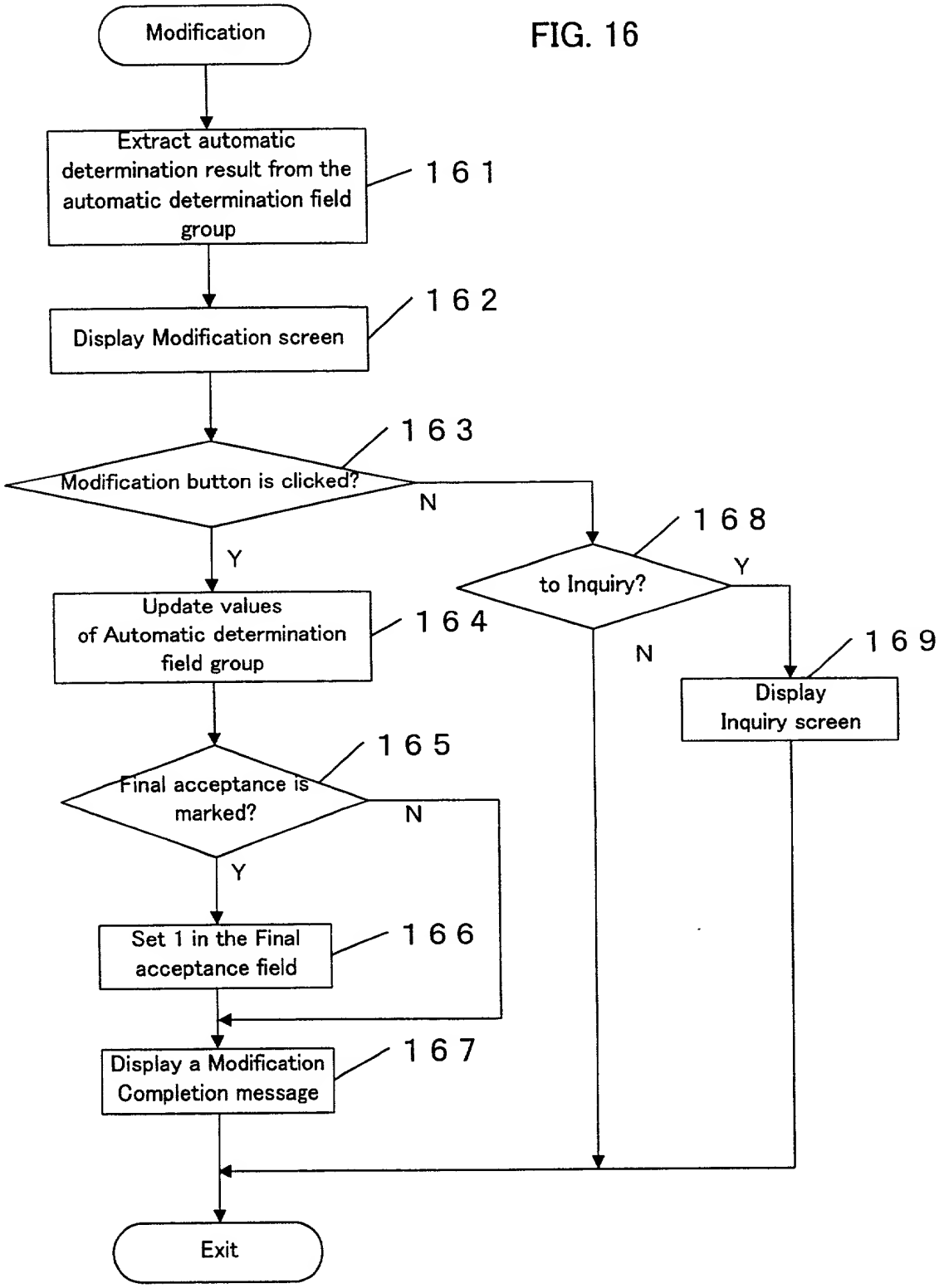

Modification
Extract automatic determination result from the automatic determination field group
161
Display Modification screen
162
Modification button is clicked?
163
N
Y
to Inquiry?
168
Y
N
Update values of Automatic determination field group
164
Display Inquiry screen
169
Final acceptance is marked?
165
N
Y
Set 1 in the Final acceptance field
166
Display a Modification Completion message
167
Exit

FIG. 17

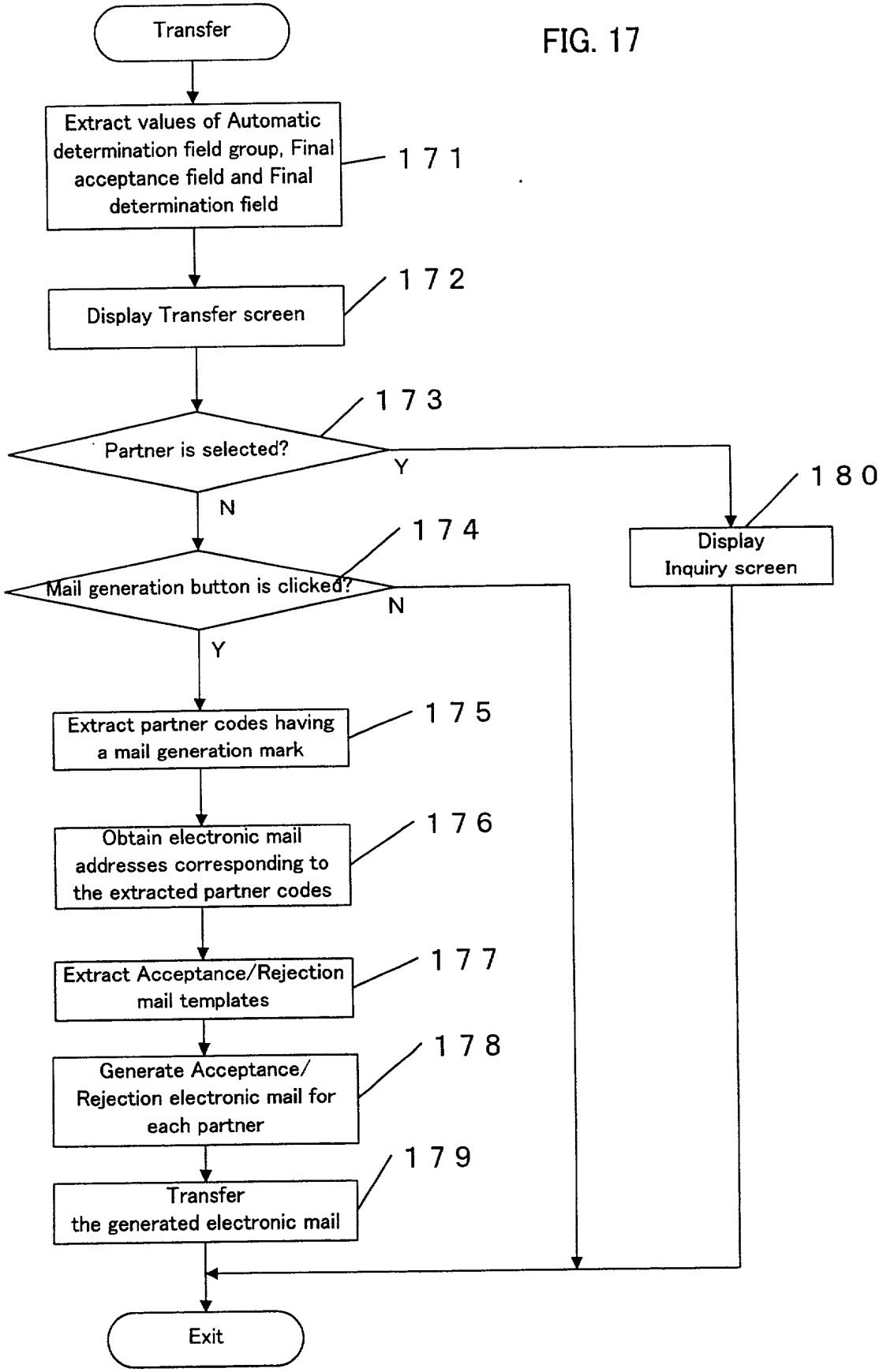

Transfer
Extract values of Automatic determination field group, Final acceptance field and Final determination field
171
Display Transfer screen
172
Partner is selected?
173
Y
N
180
Display Inquiry screen
Mail generation button is clicked?
174
N
Y
Extract partner codes having a mail generation mark
175
Obtain electronic mail addresses corresponding to the extracted partner codes
176
Extract Acceptance/Rejection mail templates
177
Generate Acceptance/ Rejection electronic mail for each partner
178
Transfer the generated electronic mail
179
Exit

FIG. 18

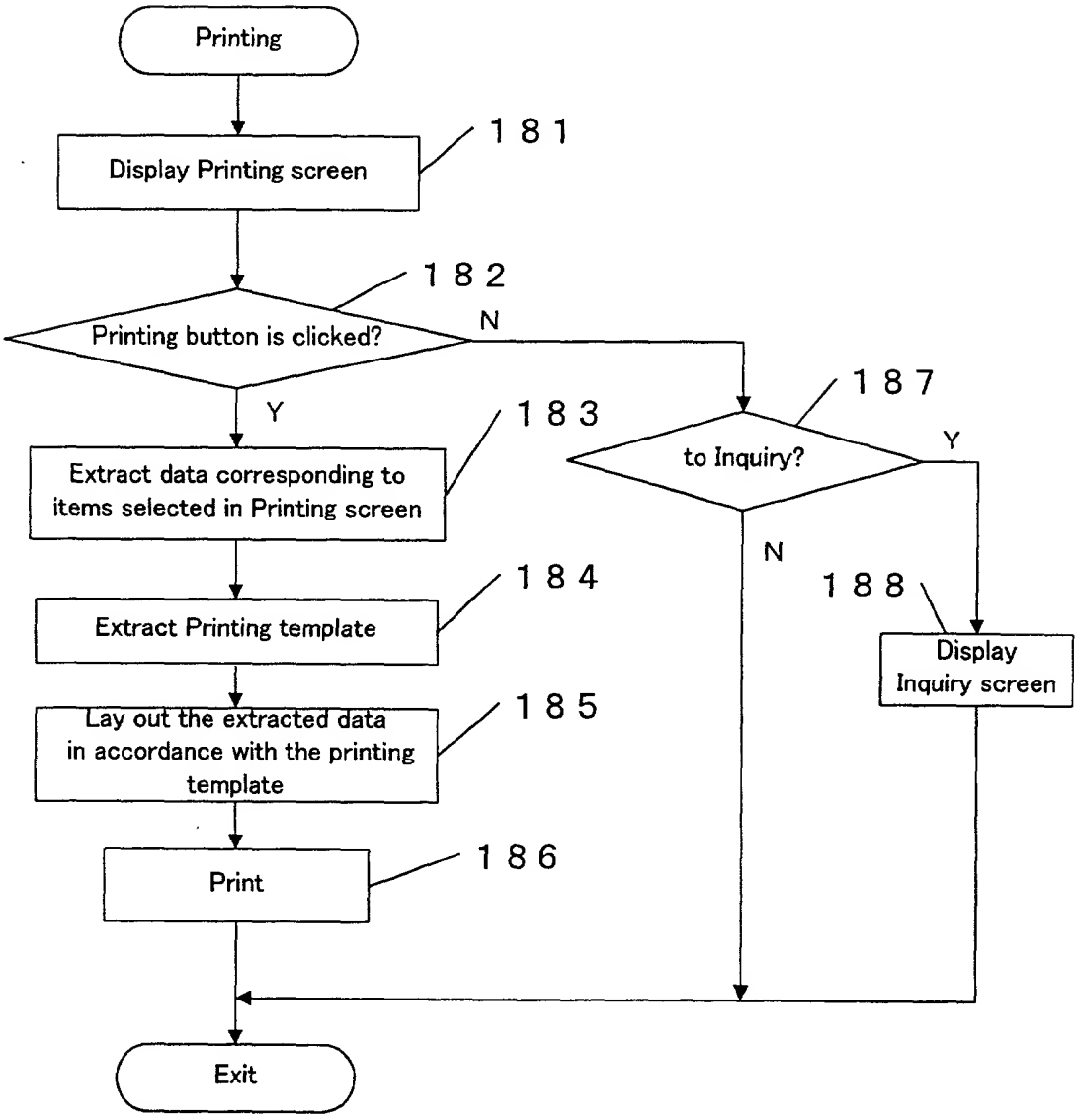

Printing
Display Printing screen
181
Printing button is clicked?
182
N
Y
Extract data corresponding to items selected in Printing screen
183
Extract Printing template
184
Lay out the extracted data in accordance with the printing template
185
Print
186
to Inquiry?
187
Y
N
Display Inquiry screen
188
Exit

FIG. 19A

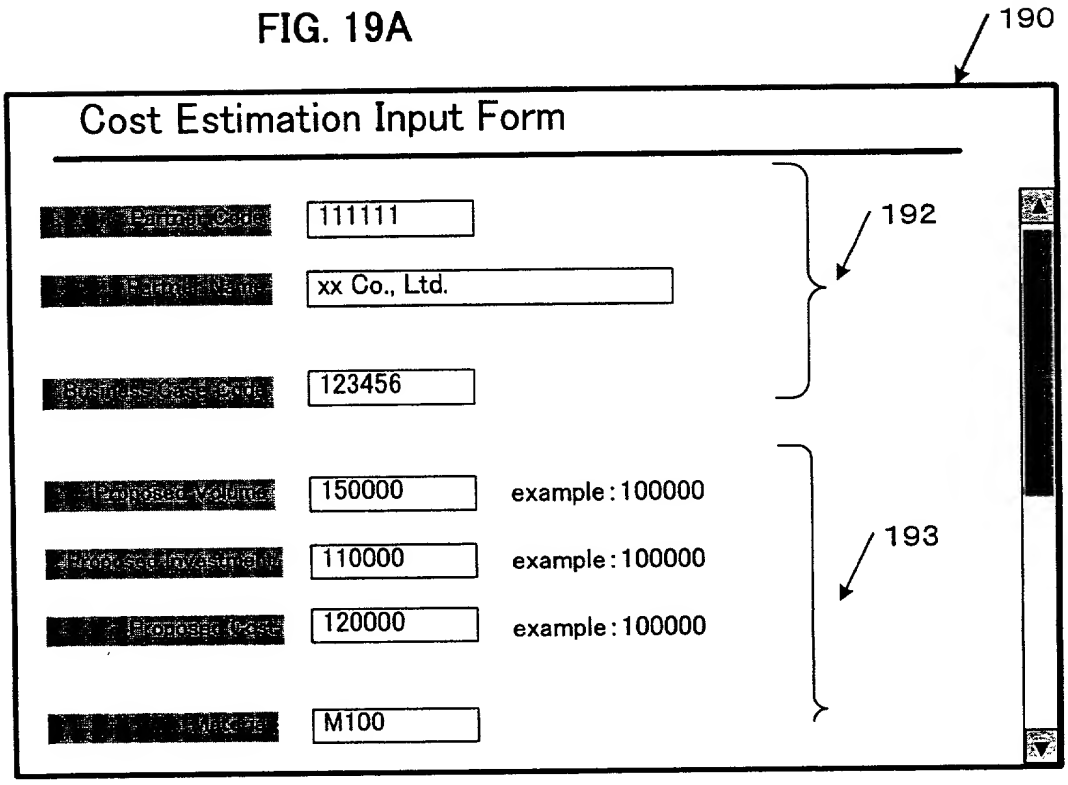
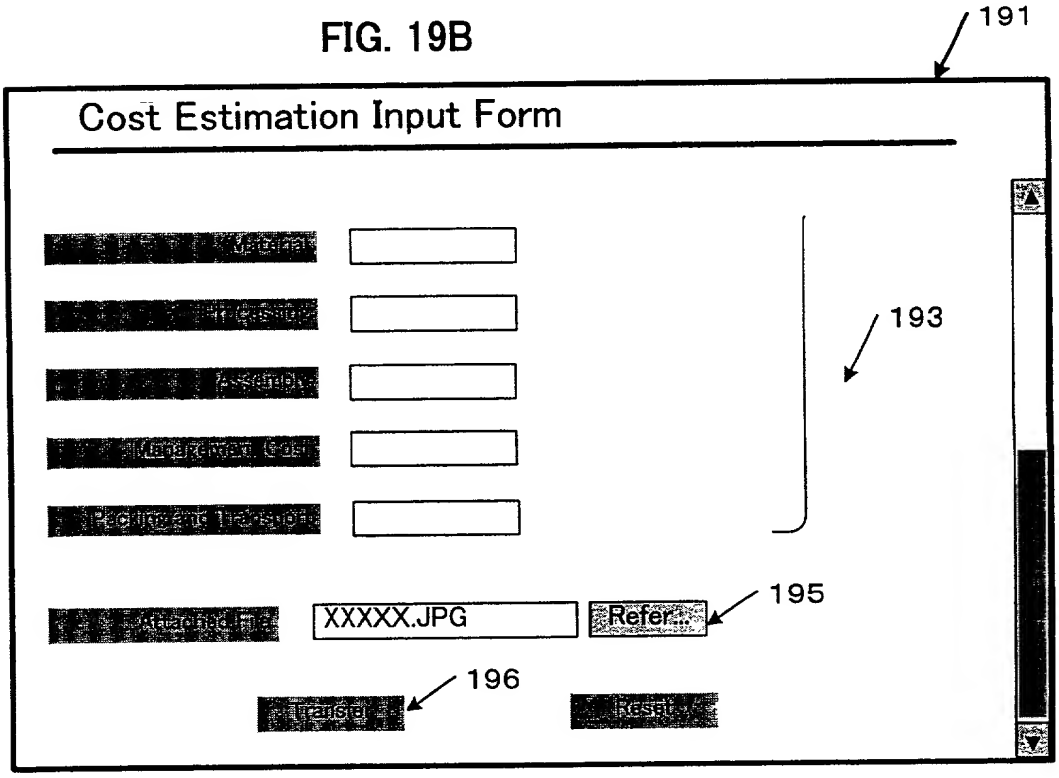
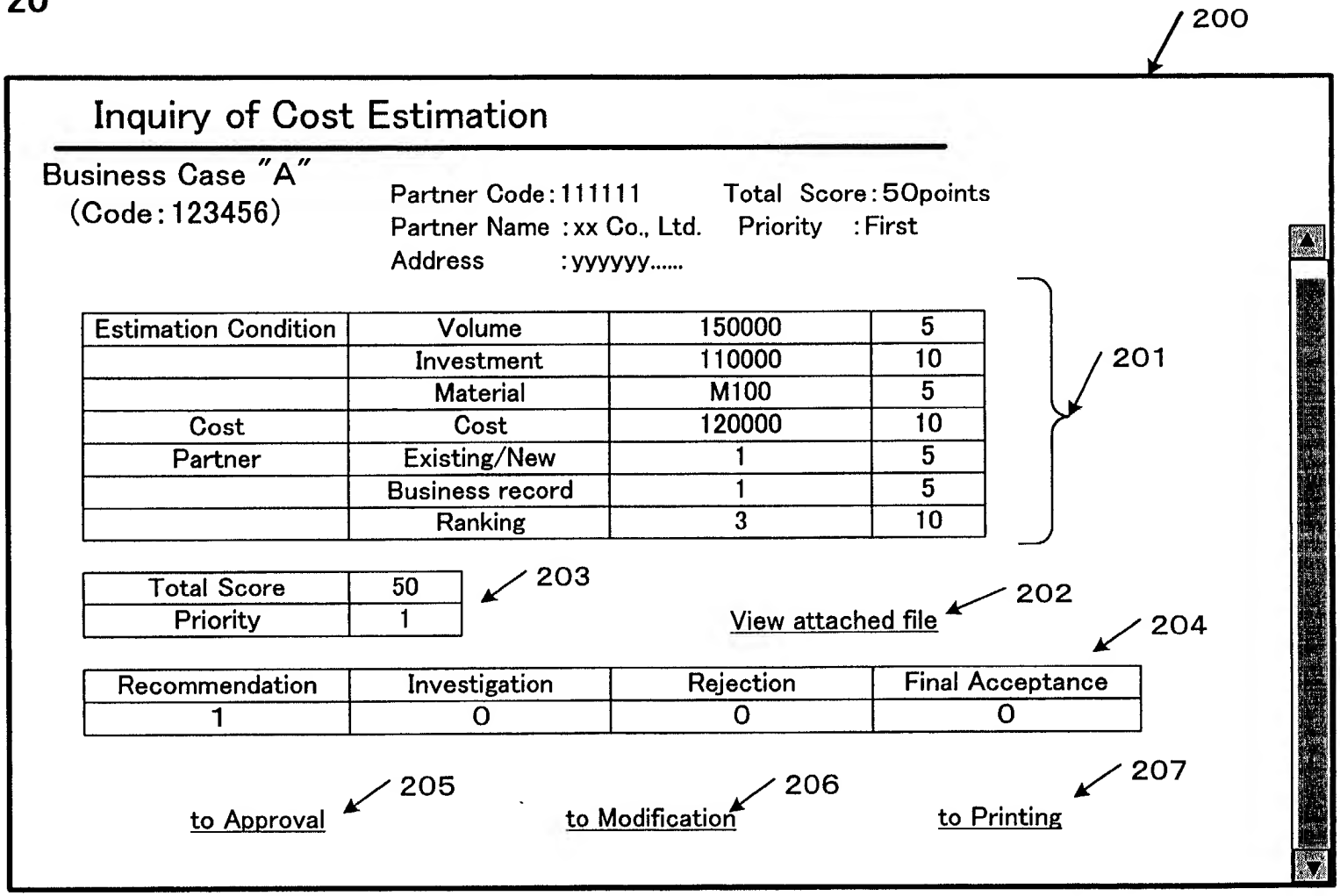



FIG. 19B



T06190 "0hE98860

FIG. 20

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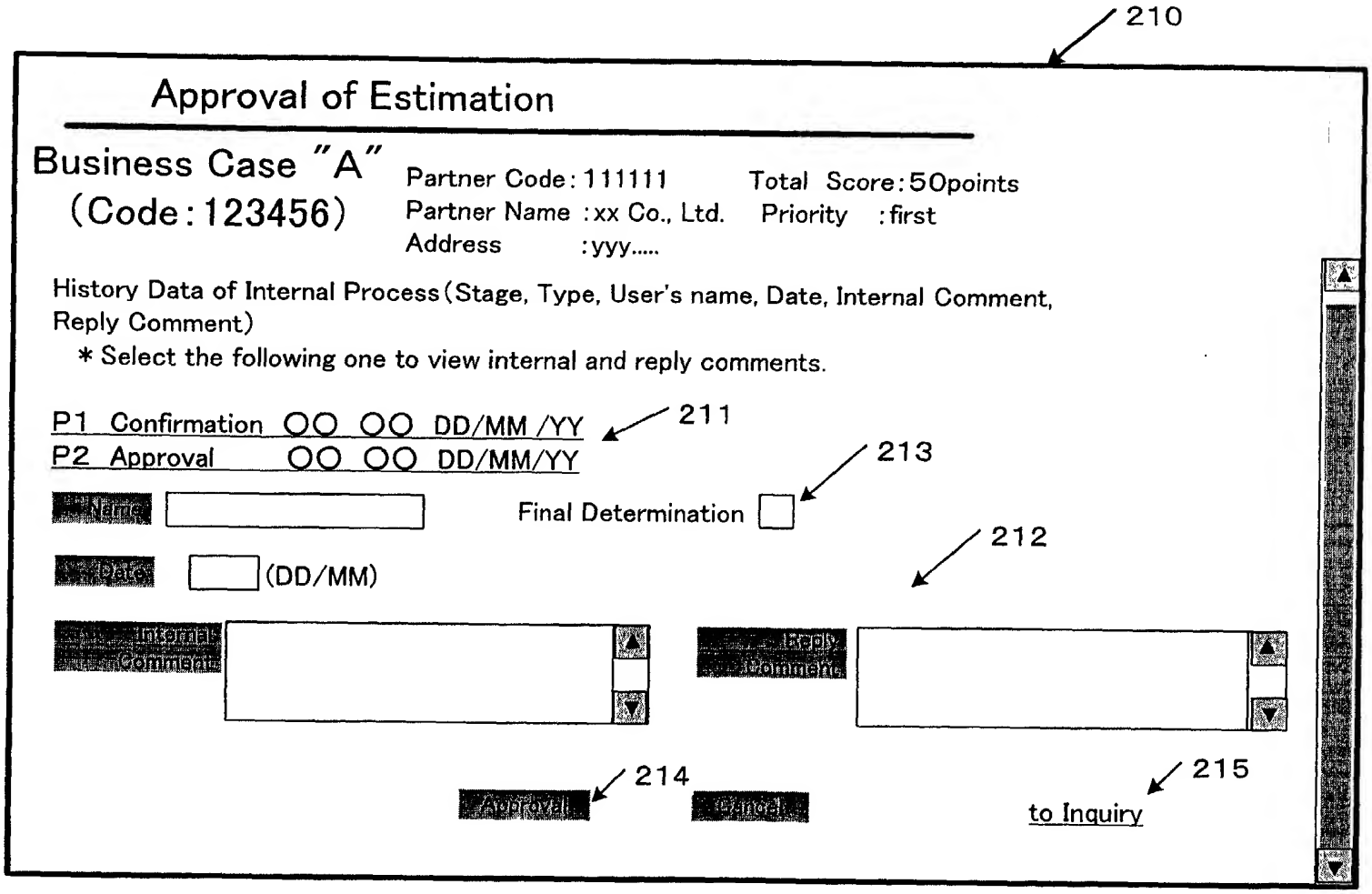
Title: Electronic Document Classification Systems
Inventors: Jiyunji Uchida & Yoshinobu Hara
Atty. Docket No.: 20911-06141
Application No.: Unassigned

T06T90" 0hE9886Q

FIG. 21

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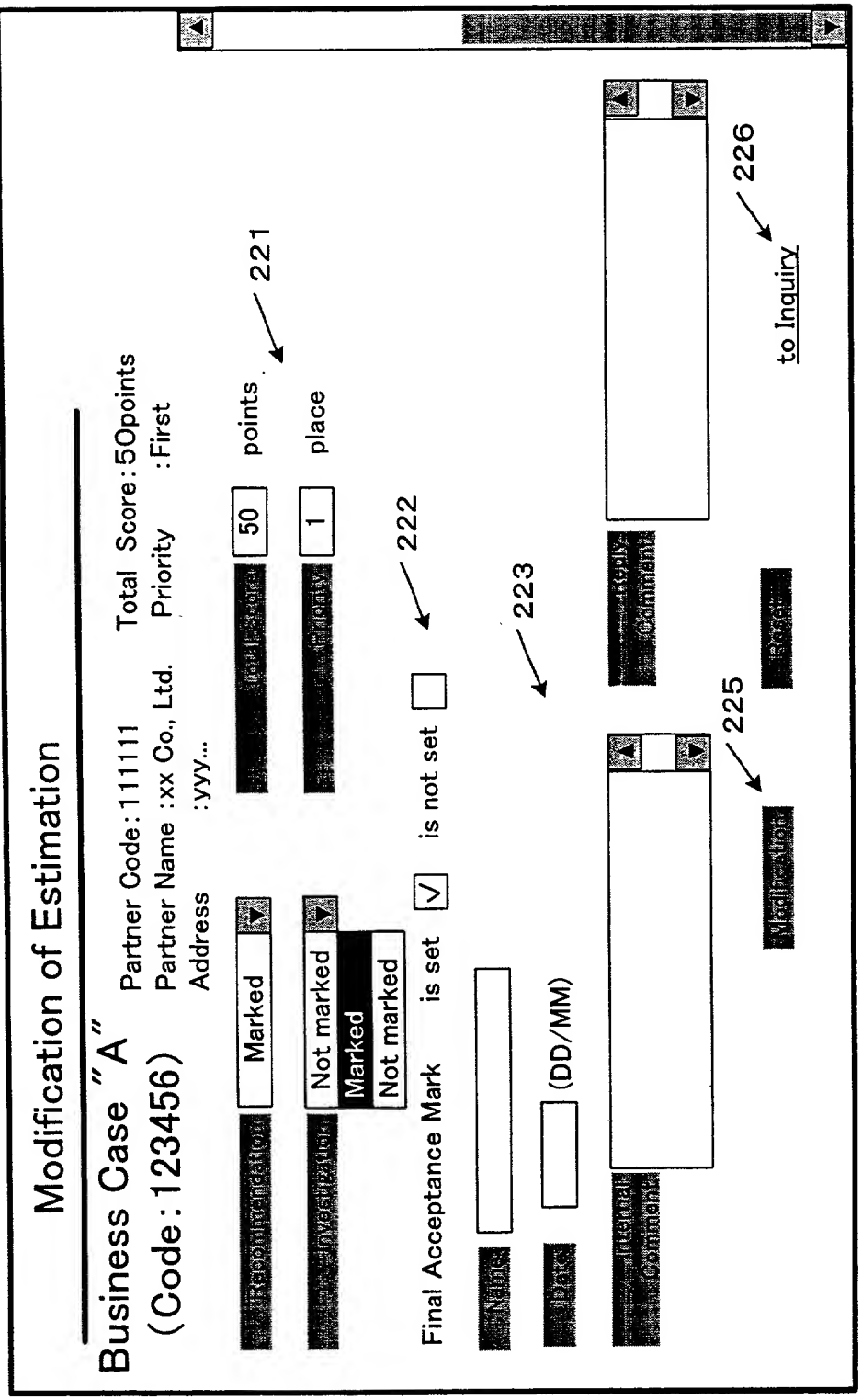
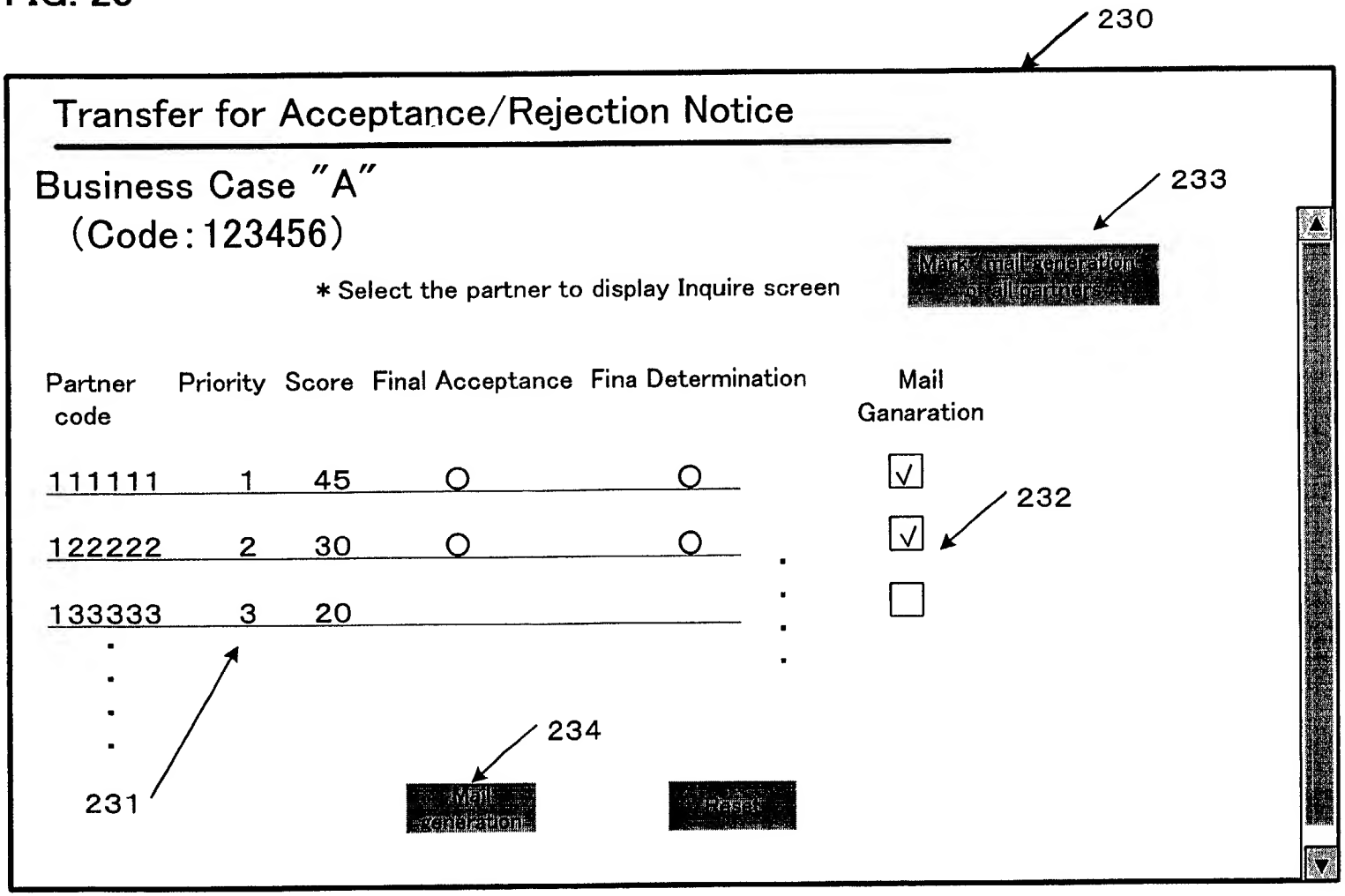
Title: Electronic Document Classification Systems
Inventors: Jiyunji Uchida & Yoshinobu Hara
Atty. Docket No.: 20911-06141
Application No.: Unassigned

FIG. 22


220
Modification of Estimation
Business Case "A"
(Code: 123456)
Partner Code: 111111
Partner Name : xx Co., Ltd.
Address :yyy...
Total Score: 50points
Priority :First
Marked
Not marked
Marked
Not marked
50
points
1
place
221
222
223
Final Acceptance Mark is set
is not set
(DD/MM)
225
226
to Inquiry

T06T90" 0hE98860

FIG. 23

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Title: Electronic Document Classification Systems
Inventors: Jiyunji Uchida & Yoshinobu Hara
Atty. Docket No.: 20911-06141
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FIG. 24

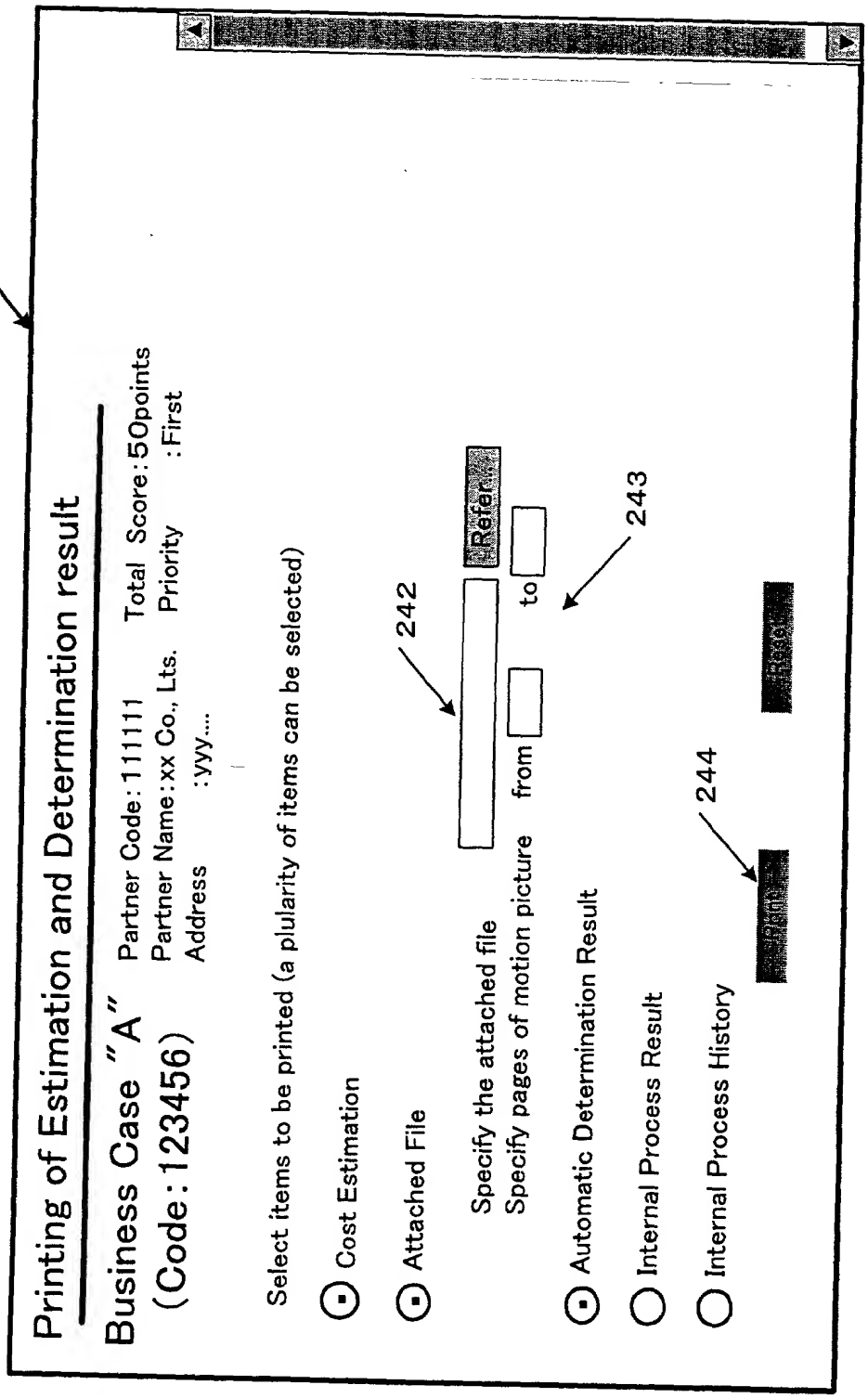
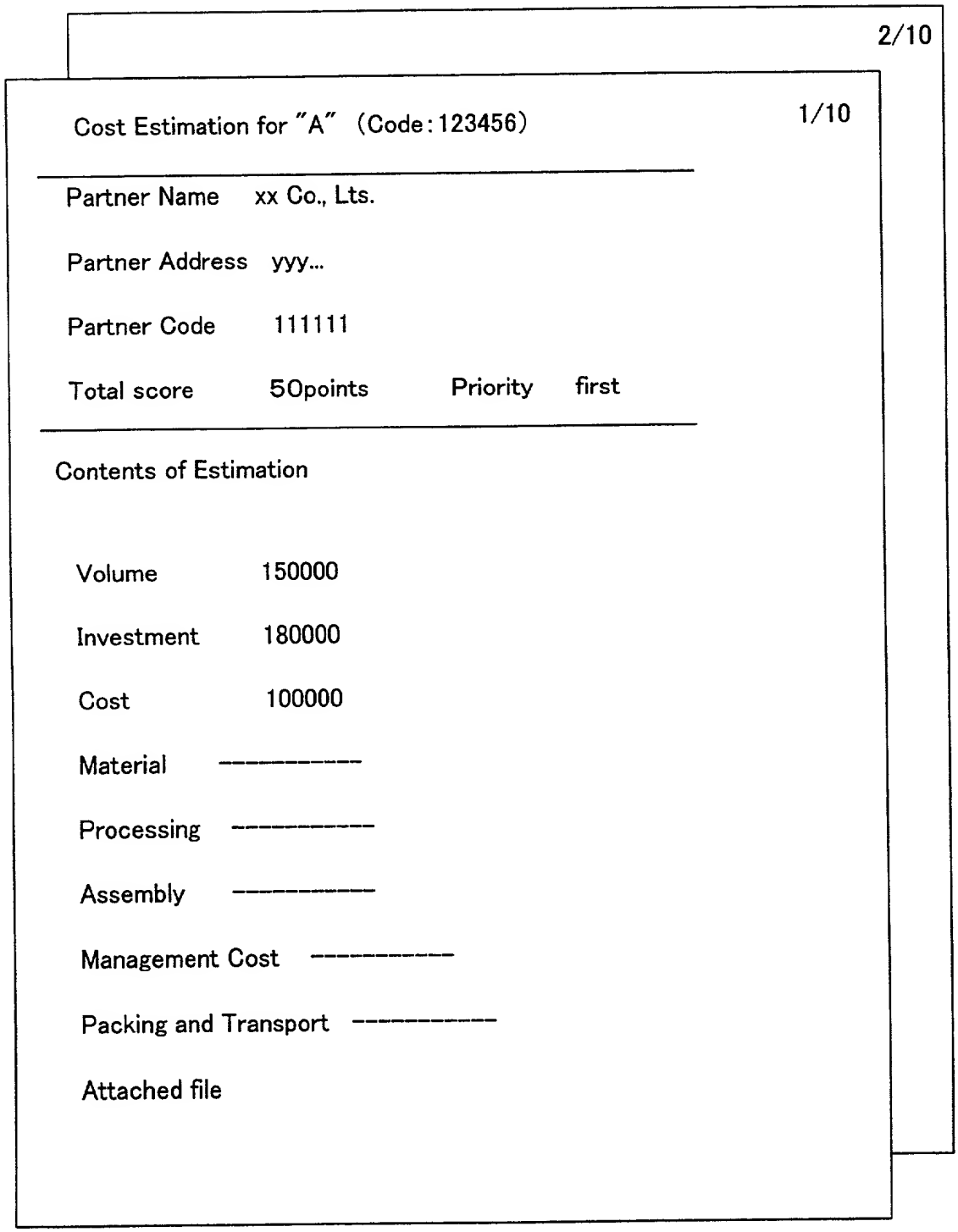

240
Printing of Estimation and Determination result
Business Case "A" (Code:123456)
Partner Code:111111
Partner Name:xx Co., Lts.
Address :yyy....
Total Score:50points
Priority :First
Select items to be printed (a plularity of items can be selected)
Cost Estimation
Attached File
242
Refer...
Specify the attached file
Specify pages of motion picture from to
243
Automatic Determination Result
Internal Process Result
Internal Process History
244
Print
Cancel

FIG. 25


2/10
1/10
Cost Estimation for "A" (Code:123456)
Partner Name xx Co., Lts.
Partner Address yyy...
Partner Code 111111
Total score 50points Priority first
Contents of Estimation
Volume 150000
Investment 180000
Cost 100000
Material ----------
Processing ----------
Assembly ----------
Management Cost ----------
Packing and Transport ----------
Attached file